

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Currently Amended)** A method in a bandwidth booster of a printer comprising the steps of:

receiving a first signal having a first duration from a print engine indicating initiation of transmission of print data;

transmitting a shorter signal having a duration shorter than the first duration to a printer ASIC, in response to receiving a signal, the printer ASIC having a bandwidth;

receiving from the printer ASIC a first line of data for printing to be printed from the printer ASIC;

receiving a second signal having a second duration from the print engine;

transmitting a second shorter signal to a printer ASIC, in response to receiving a signal, the second shorter signal having a duration shorter than the second duration;

receiving from the printer ASIC a second line of data for printing to be printed from the printer ASIC; and transmitting the first line of data to the print engine, thereby effectively increasing the bandwidth of the printer ASIC.

2-5. **(Canceled)**

6. **(Currently Amended)** A computer readable medium including computer instructions for driving a printer, the computer instructions comprising instructions for:

receiving by a bandwidth booster a first BD signal from a print engine indicating initiation of transmission of print data;

transmitting a ~~shorter~~ pseudo BD signal to a printer ASIC, in response to receiving a signal;

receiving by the bandwidth booster a first line of data to be printed from the printer ASIC;

receiving by the bandwidth booster a second BD signal from the print engine;
transmitting a second ~~shorter~~ pseudo BD signal to a printer ASIC, in response to receiving a signal;

receiving by the bandwidth booster a second line of data to be printed from the printer ASIC; and transmitting the first line of data to the print engine.

7. **(New)** A method in a bandwidth booster of a printer comprising the steps of:

receiving a BD signal having a first duration from a print engine indicating initiation of transmission of print data;

transmitting a pseudo BD signal having a duration shorter than the first duration to a printer ASIC, in response to receiving a signal, the printer ASIC having a bandwidth;

receiving from the printer ASIC a first line of data for printing;

receiving a second BD signal having a second duration from the print engine;

transmitting a second pseudo BD signal to a printer ASIC, in response to receiving a signal, the second pseudo BD signal having a duration shorter than the second duration;

receiving from the printer ASIC a second line of data for printing; and
transmitting the first line of data to the print engine, thereby effectively increasing the bandwidth of the printer ASIC.